

CLAIMS:

1. A connector comprising:
a terminal element having an insulation-displacement type conductor-
5 connecting section connectable to a conductor of an electric wire and a contact section
capable of coming into conductive contact with a corresponding terminal element of a
counterpart connector; and
an electrical insulating body for supporting said terminal element while
exposing said contact section;
10 wherein said body includes a fitting portion capable of fitting to the
counterpart connector while positioning said contact section of said terminal element with
respect to the corresponding terminal element; and
wherein said conductor-connecting section and said contact section of said
terminal element are arranged to be aligned with each other in a direction intersecting a
15 connector fitting direction determined by said fitting portion.
2. A connector as defined in claim 1, wherein said body includes a wire-retaining
section for locating the wire on a backside of said fitting portion as seen in said connector
fitting direction, and wherein said connector fitting direction intersects an extending
20 direction of the wire on said body, said extending direction defined by said wire-retaining
portion.
3. A connector as defined in claim 2, wherein said body includes a first support
member having said fitting portion and supporting said terminal element, and a second
25 support member having a wire retaining groove constituting said wire retaining portion
and receiving the wire in said wire retaining groove; and wherein said conductor of said
wire received in said wire retaining groove is connected in an insulation-displacement
manner to said conductor-connecting section of said terminal element in a state where said
first support member and said second support member are combined with each other.
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4. A connector as defined in claim 3, further comprising a shield member
incorporated in said second support member, and wherein said shield member includes a

securing portion for securing said first support member and said second support member to each other.

5 5. A connector as defined in to claim 4, wherein the wire is a coaxial cable, and wherein said shield member is capable of being electrically connected to a shielding of the coaxial cable supported on said second support member.

10 6. A connector as defined in any one of claims 1 to 5, wherein said contact section of said terminal element has a curved shape capable of conductively contacting with the corresponding terminal element of the counterpart connector at a plurality of points simultaneously, and wherein said fitting portion of said body includes a projection surface having a profile corresponding to the curved shape of said contact section of said terminal element.

15 7. A connector as defined in any one of claims 1 to 6, comprising a plurality of terminal elements disposed on said body in a mutually side-by-side arrangement, each of said terminal elements having said insulation-displacement type conductor-connecting section and said contact section, arranged to be aligned with each other in a direction intersecting said connector fitting direction.

20 8. A connector as defined in claim 7, wherein said plurality of terminal elements includes a first terminal element and a second terminal element, a distance between said conductor-connecting section and said contact section of said first terminal element being different from a distance between said conductor-connecting section and said contact section of said second terminal element.

25 9. A method for connecting an electric wire in a connector as defined in claim 7 or 8, comprising:

30 locating a plurality of electric wires on a backside of said fitting portion as seen in said connector fitting direction, said wires extending in a direction intersecting said connector fitting direction on said electrical insulating body; and
 attaching simultaneously said plurality of terminal elements under a

pressing force to said body locating said wires thereon, and connecting each of said wires to said conductor connecting section of each of said terminal elements in an insulation displacing manner.